

FIG. 1

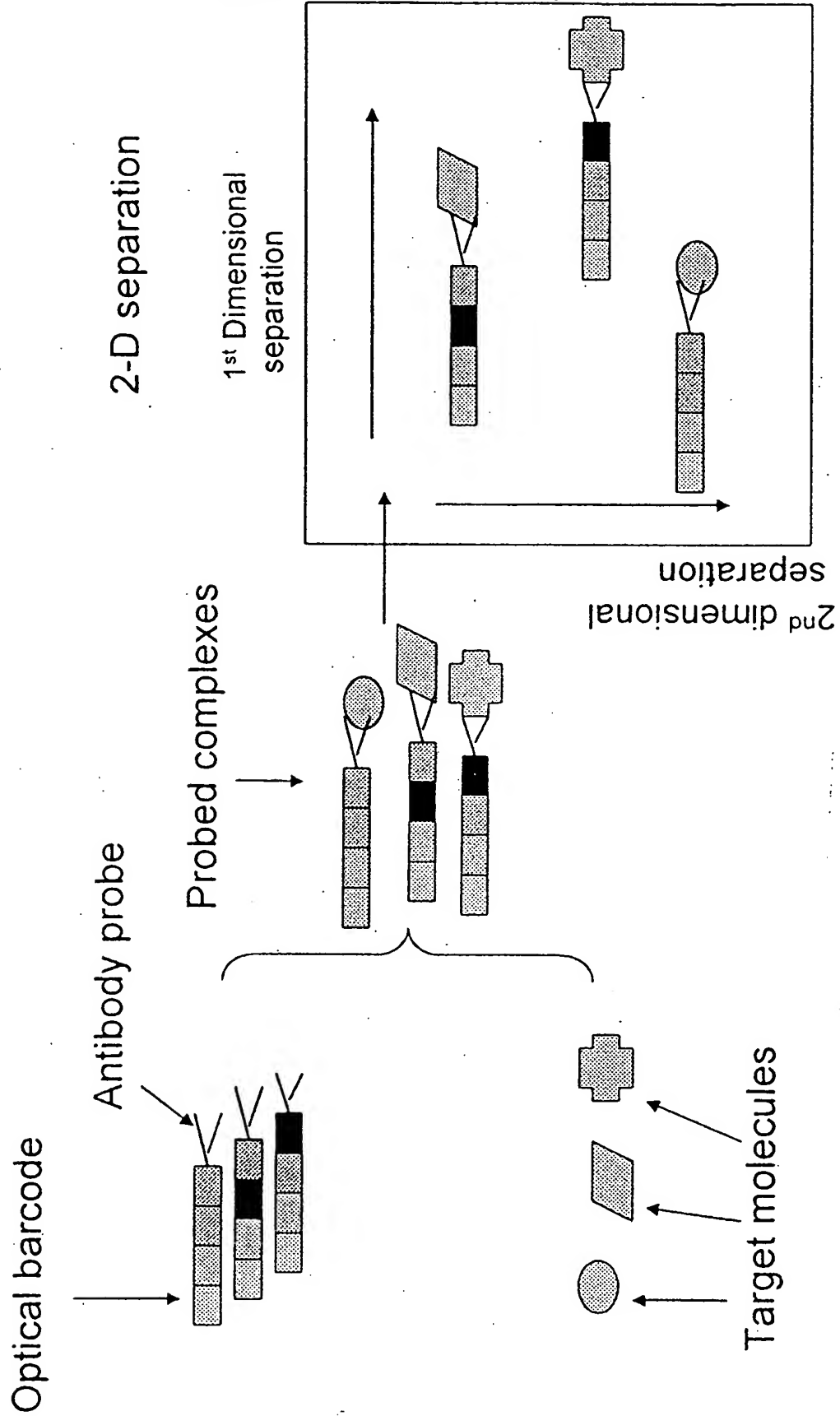


FIG. 2

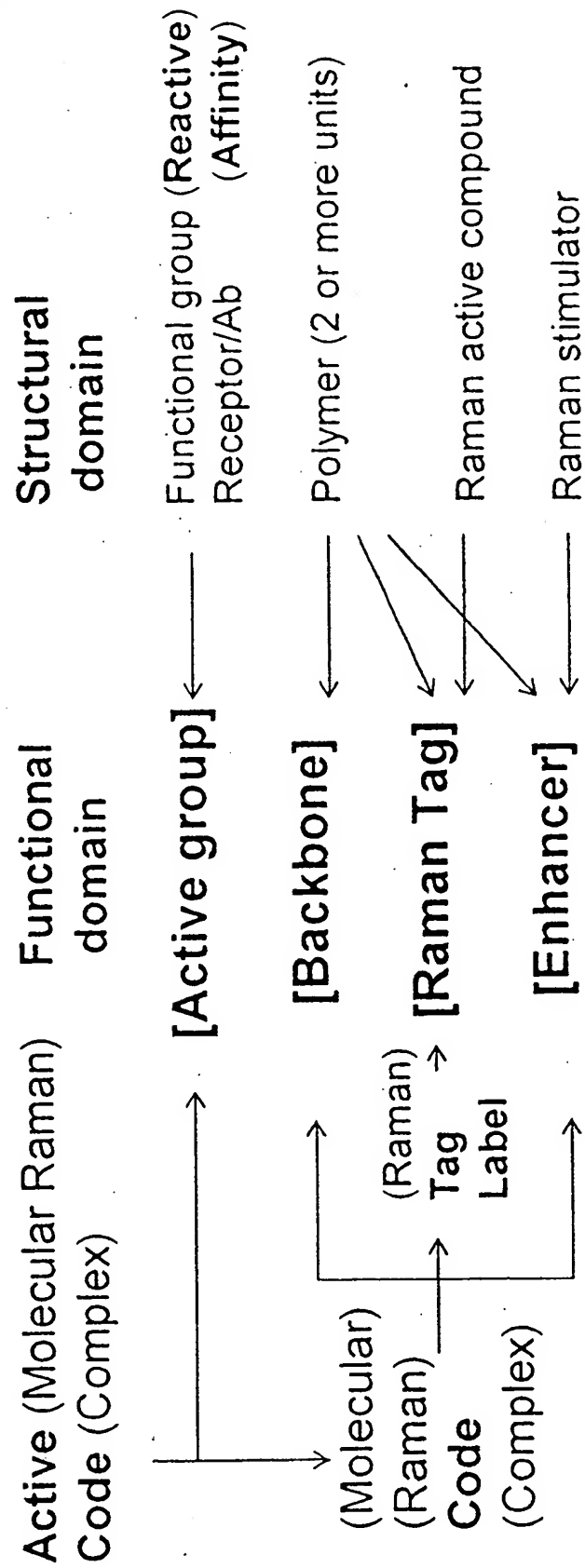


FIG. 3

Raman (SERS) Spectra

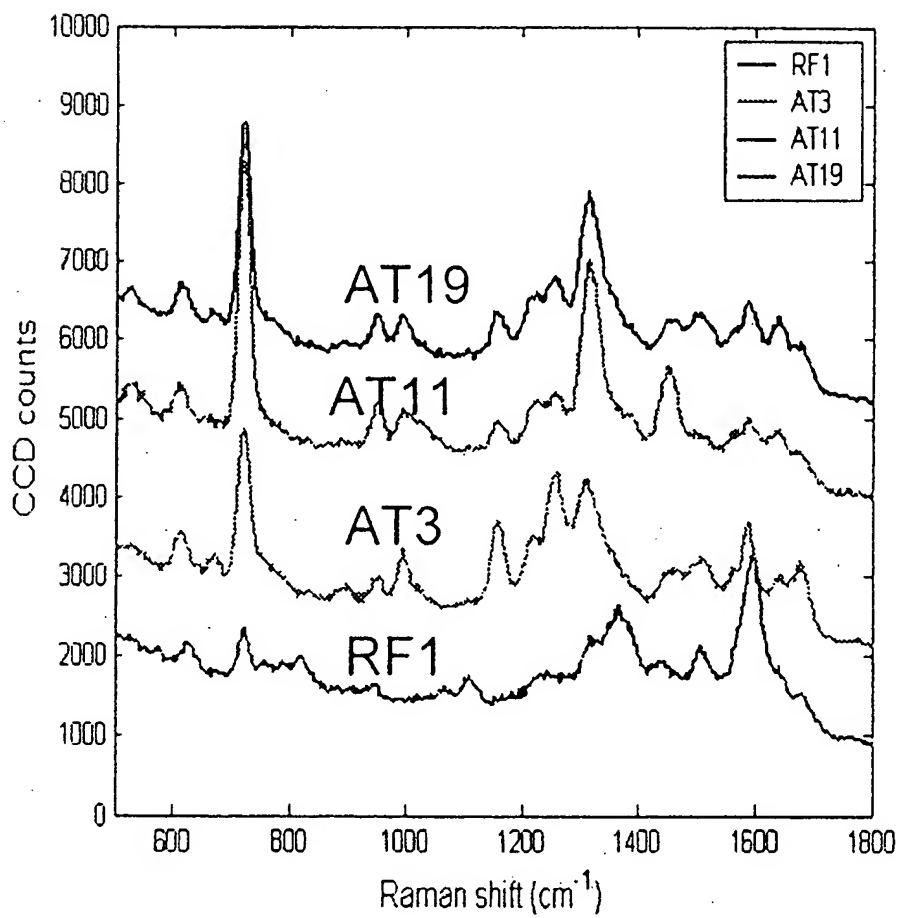


FIG. 4

Raman (SERS) Spectra

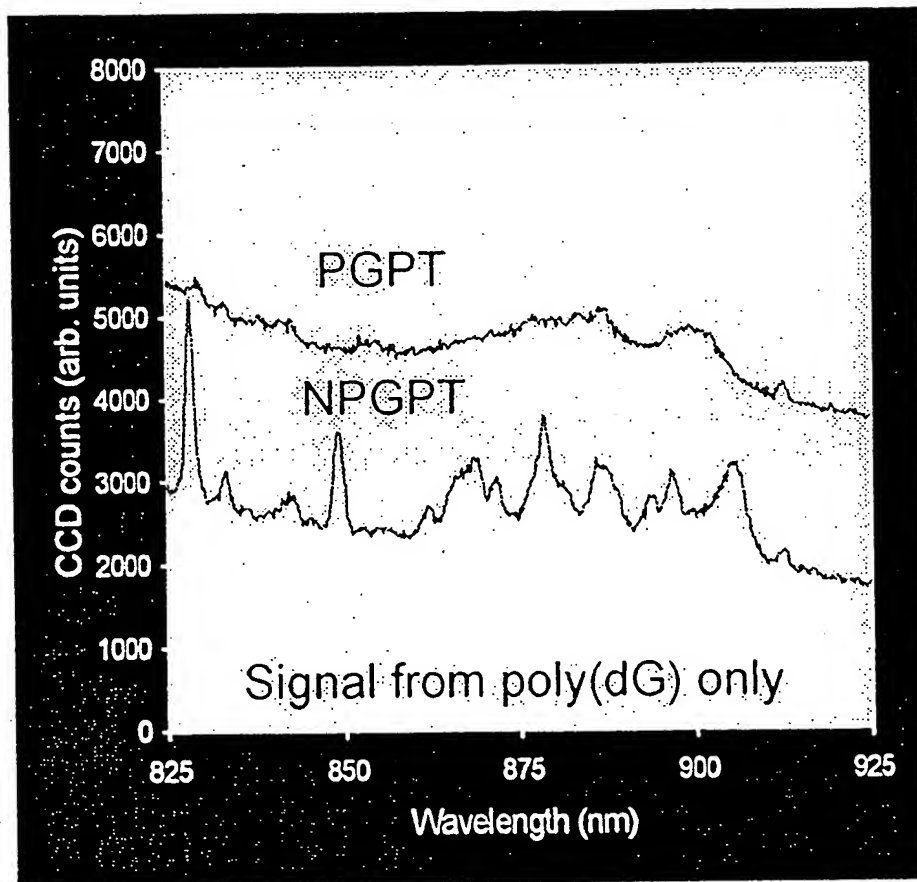


FIG. 5

Raman (SERS) Spectra

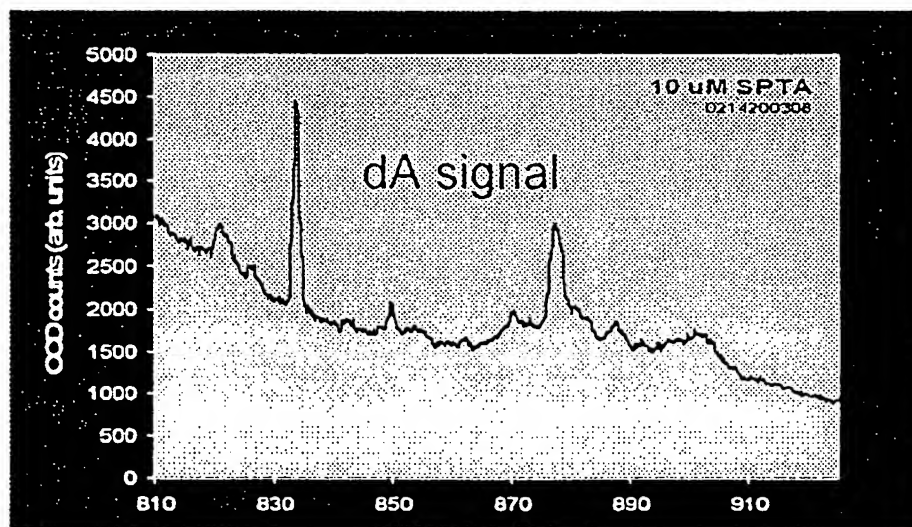


FIG. 6A

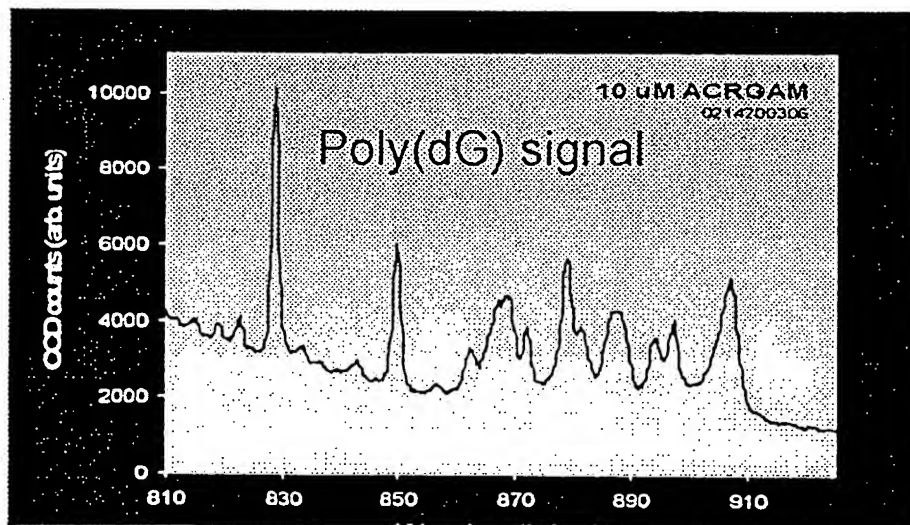
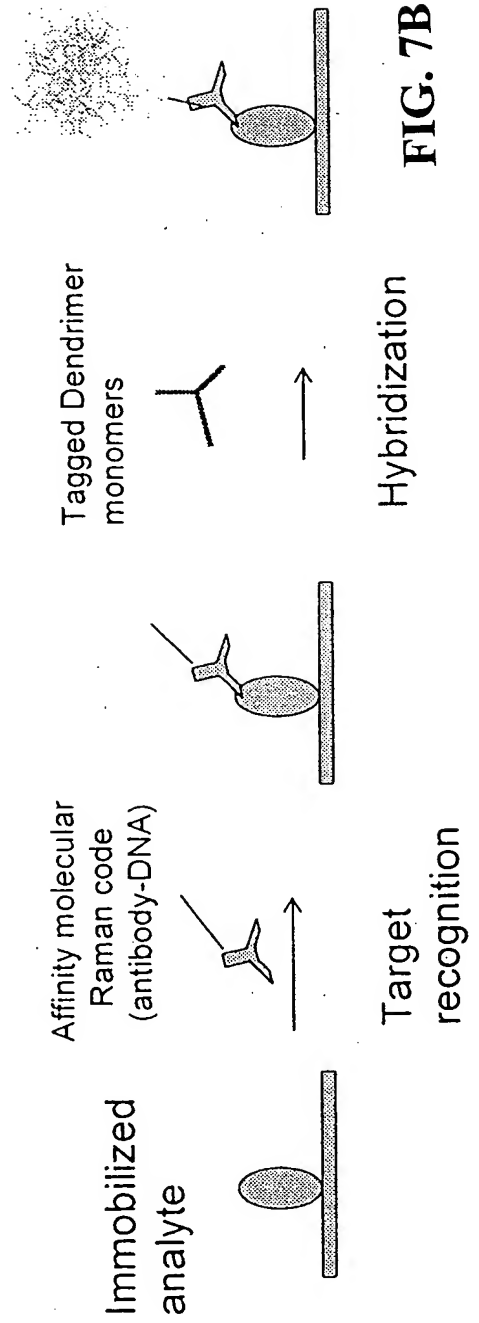
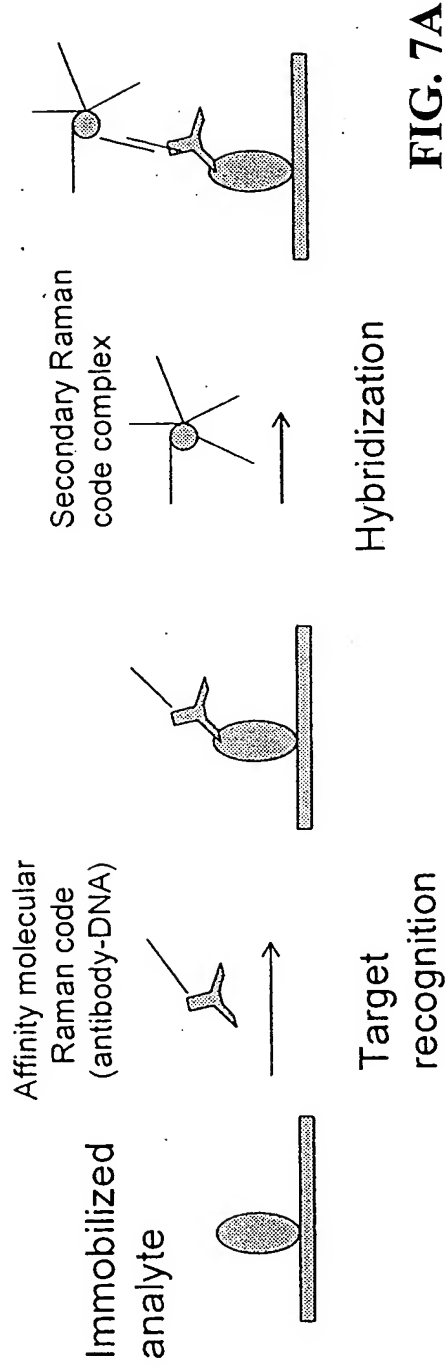


FIG. 6B



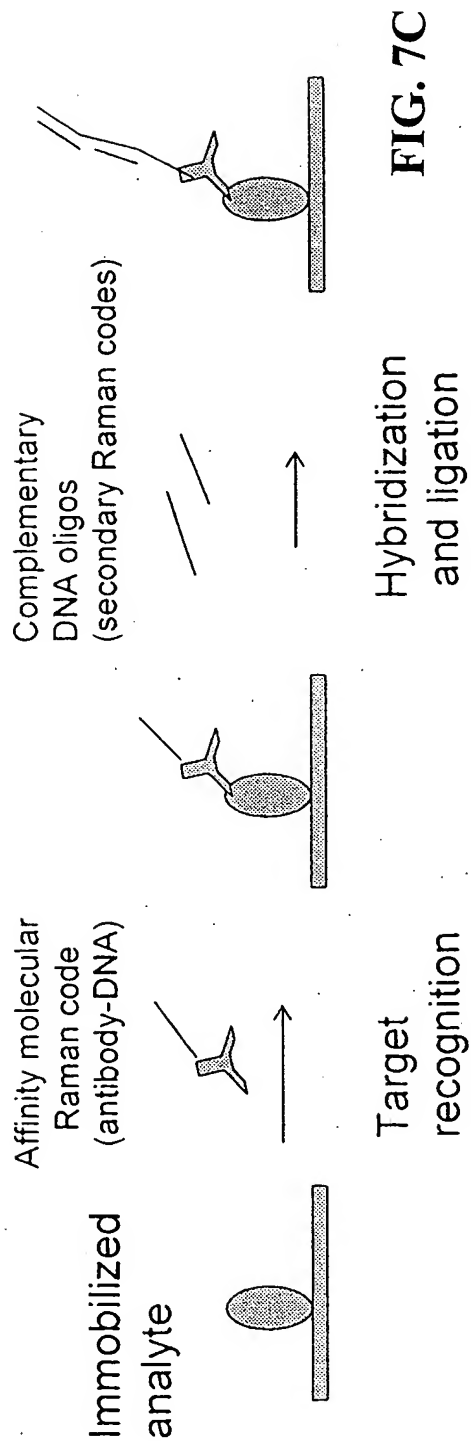


FIG. 7C

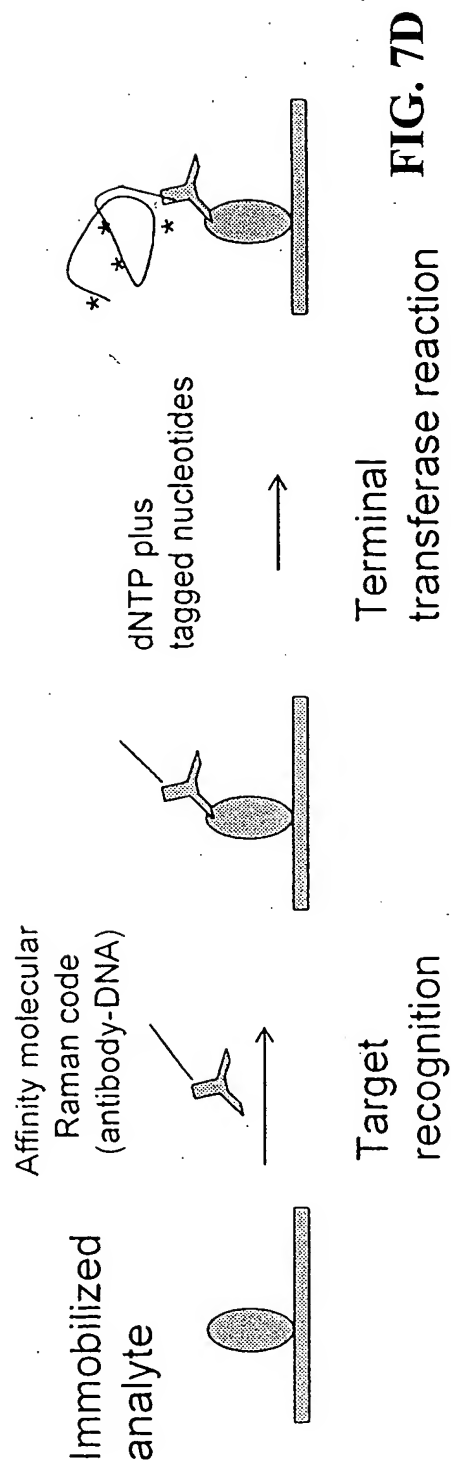


FIG. 7D

With Acrydite DNA Raman Code

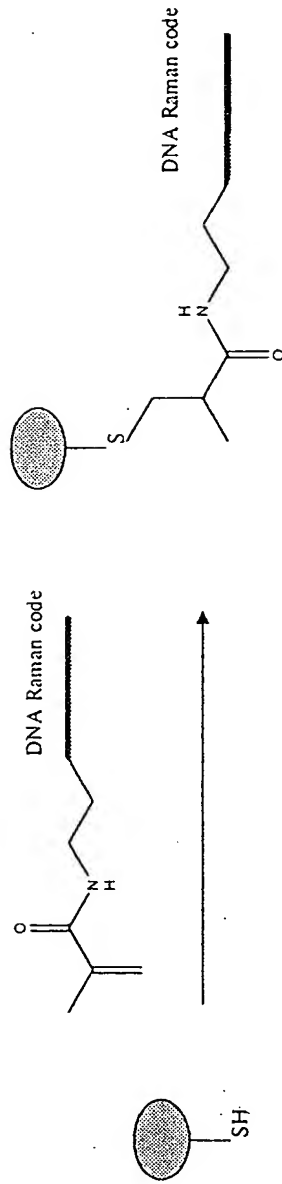
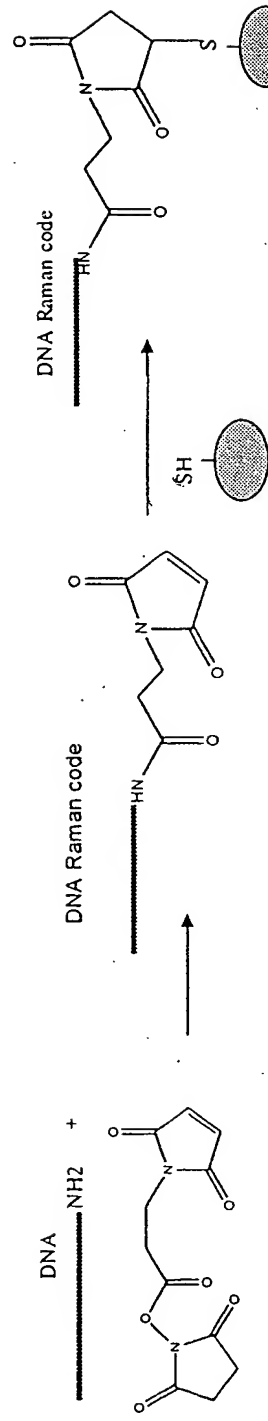


FIG. 8A

With Amino DNA Raman Code



(N-succinimidyl-4-maleimidobutylate)

FIG. 8B

With Thiol DNA Raman Code – Maleimide activation

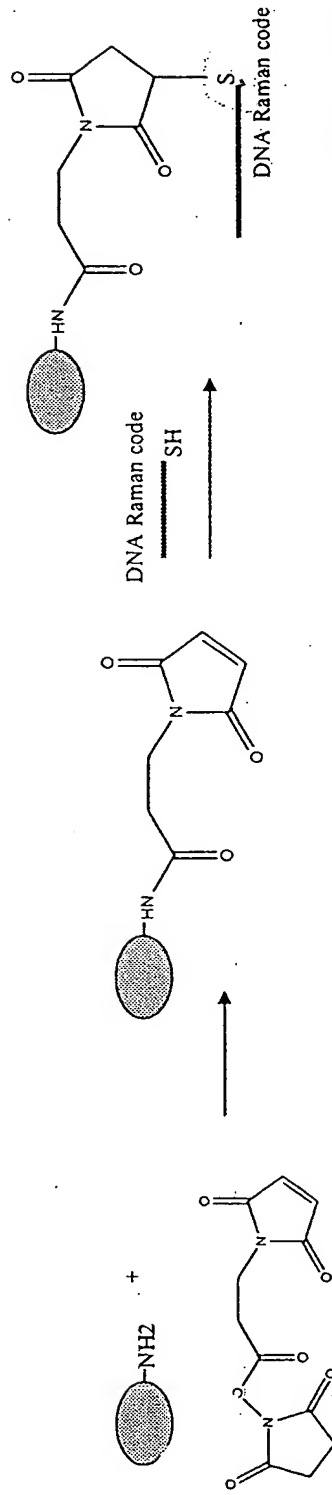


FIG. 8C

(N-succinimidy]-4-maleimidobutylate)

With Carboxy-dT—DNA Raman Code – EDAC activation

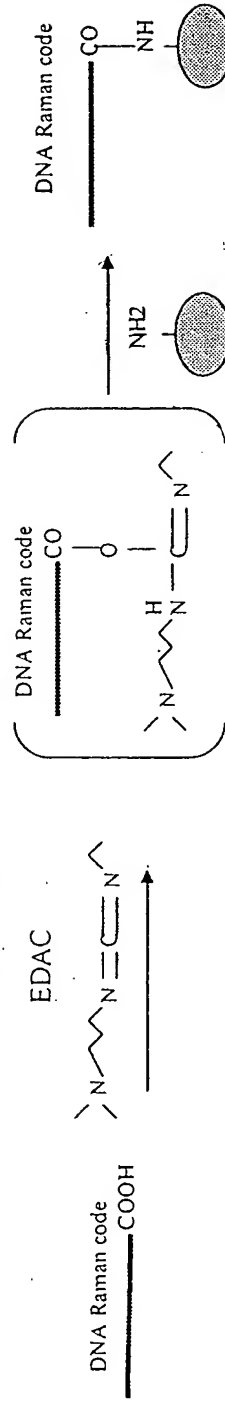


FIG. 8D

With Amino DNA Raman Code – EDAC activation

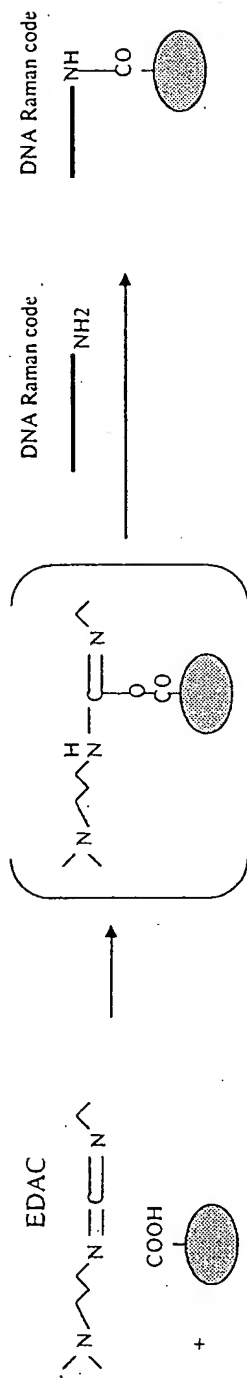


FIG. 8E

With Acrydite DNA Raman Code – Thio activation

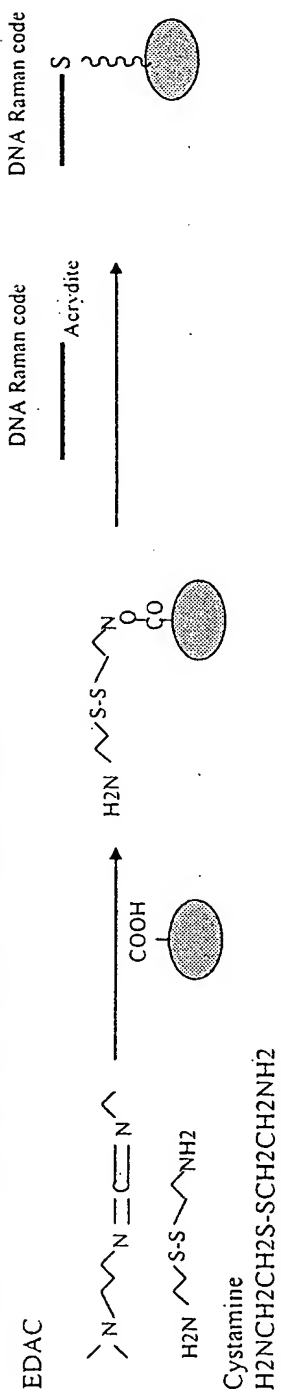


FIG. 8F

With Maleimide DNA Raman Code – Thio activation

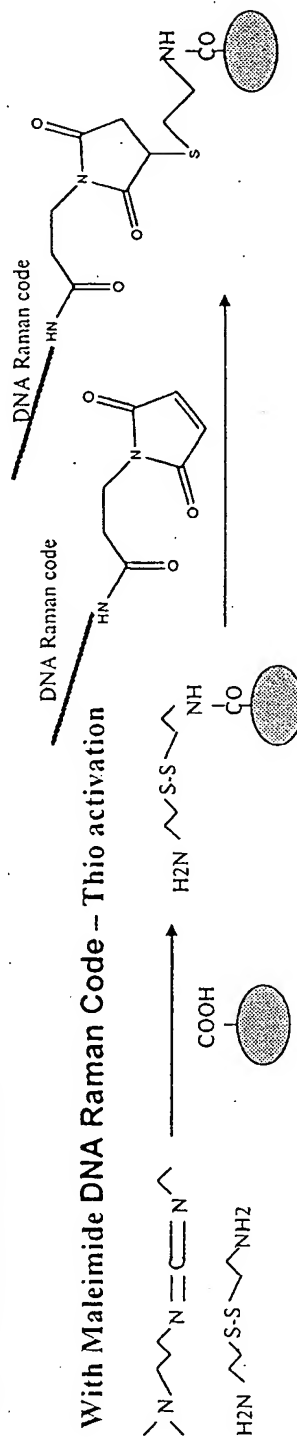


FIG. 8G

With Amino DNA Raman Code – sugar oxidation

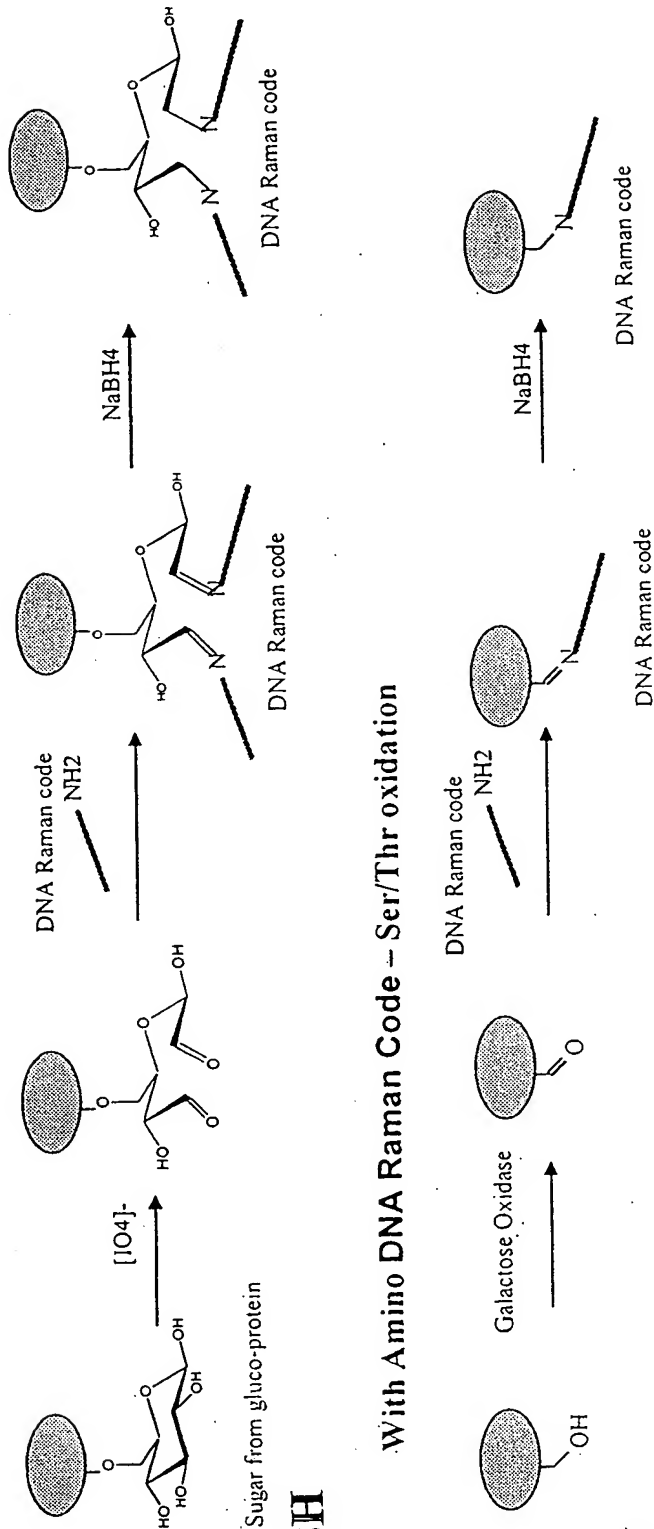


FIG. 8H

With Amino DNA Raman Code – Ser/Thr oxidation

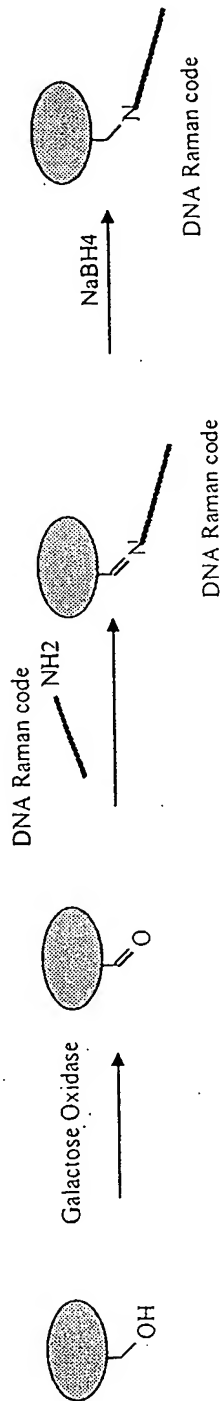


FIG. 8I

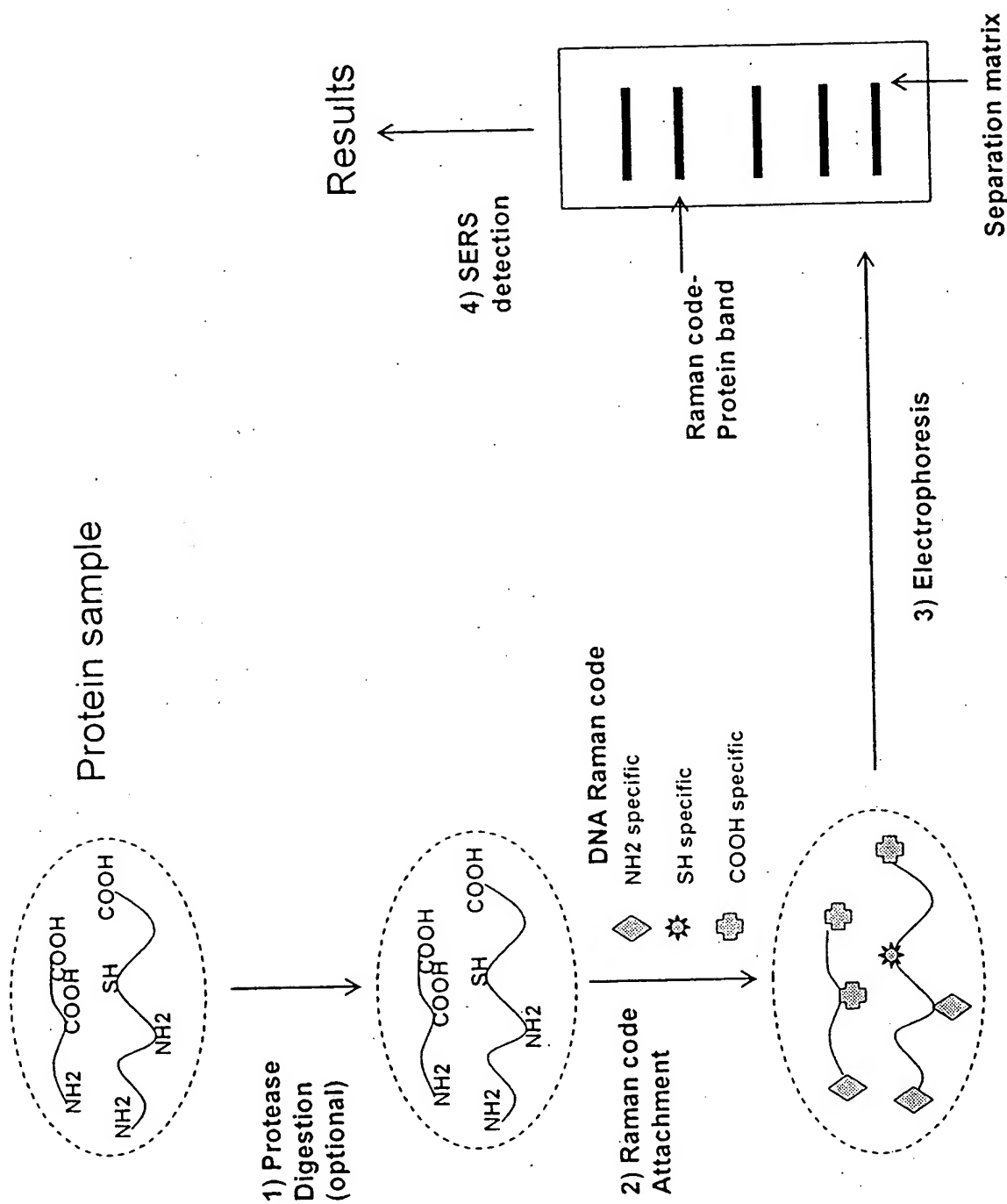


FIG. 9

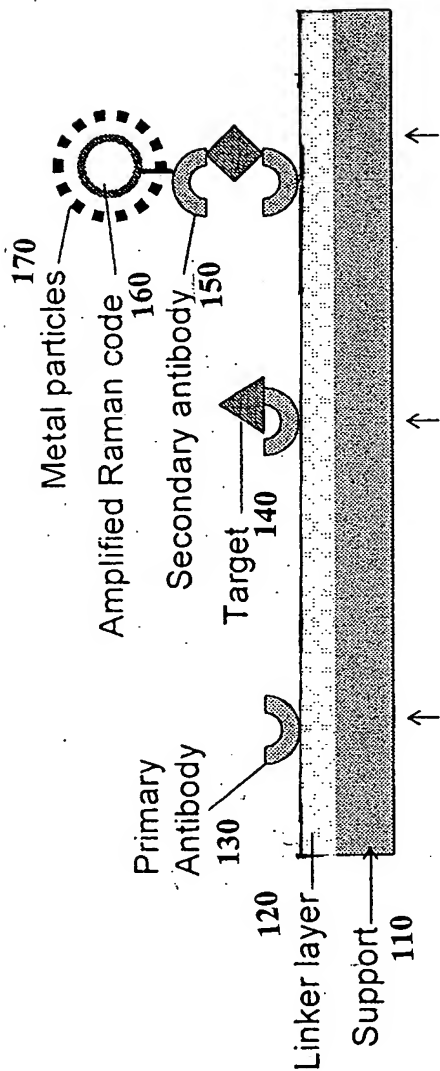


FIG. 10A

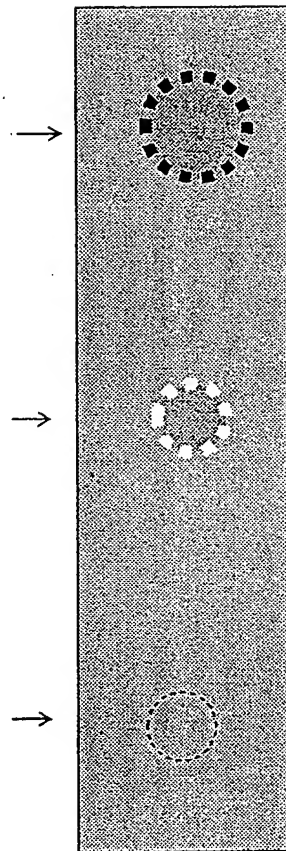


FIG. 10B

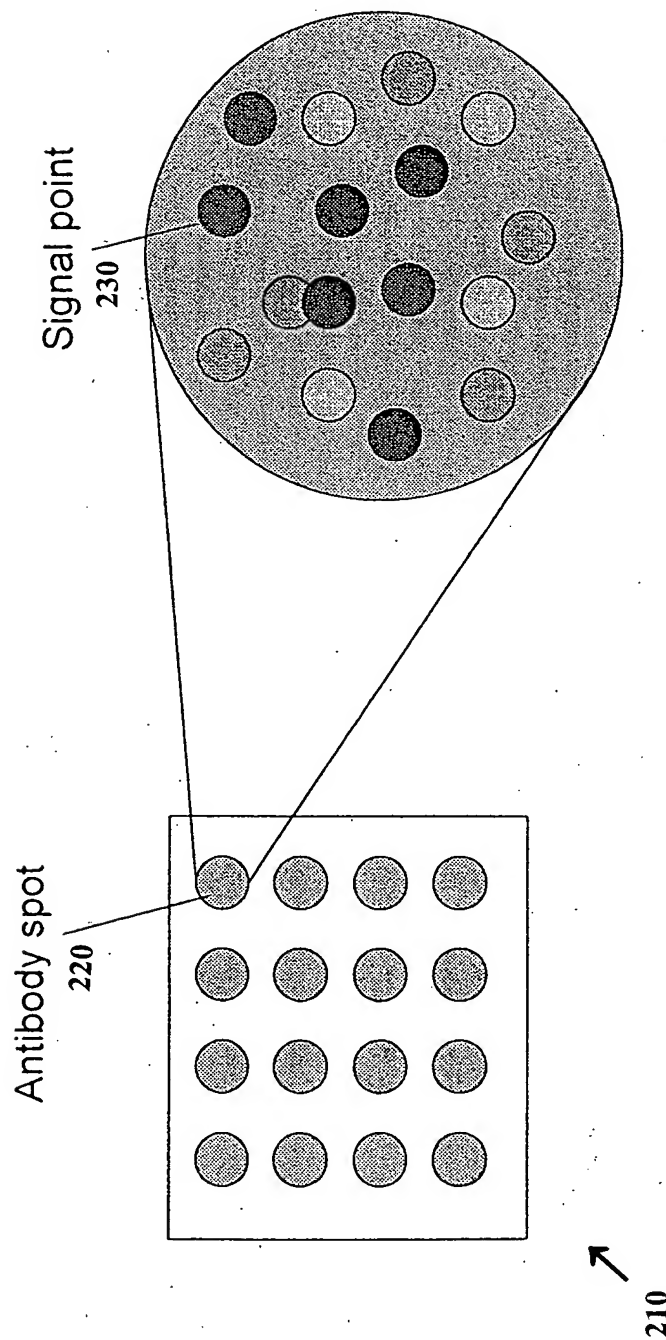


FIG. 11

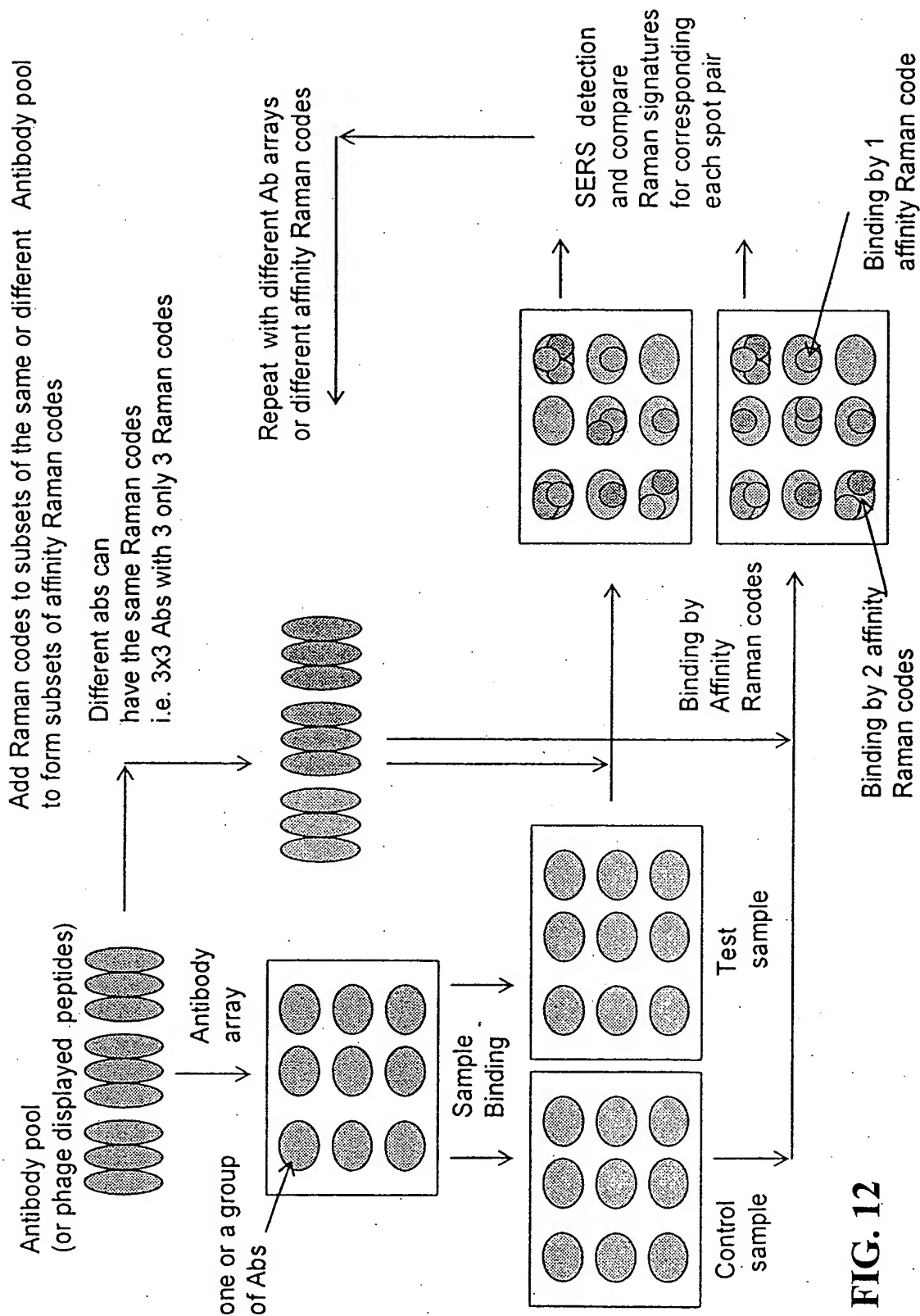


FIG. 12